

MTJ (MAGNETIC TUNNEL JUNCTION) ELEMENT

FIG. 1 PRIOR ART

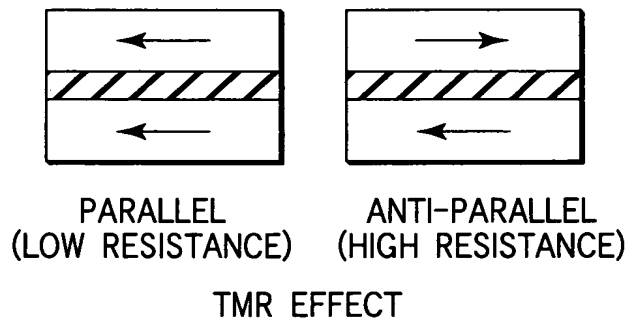
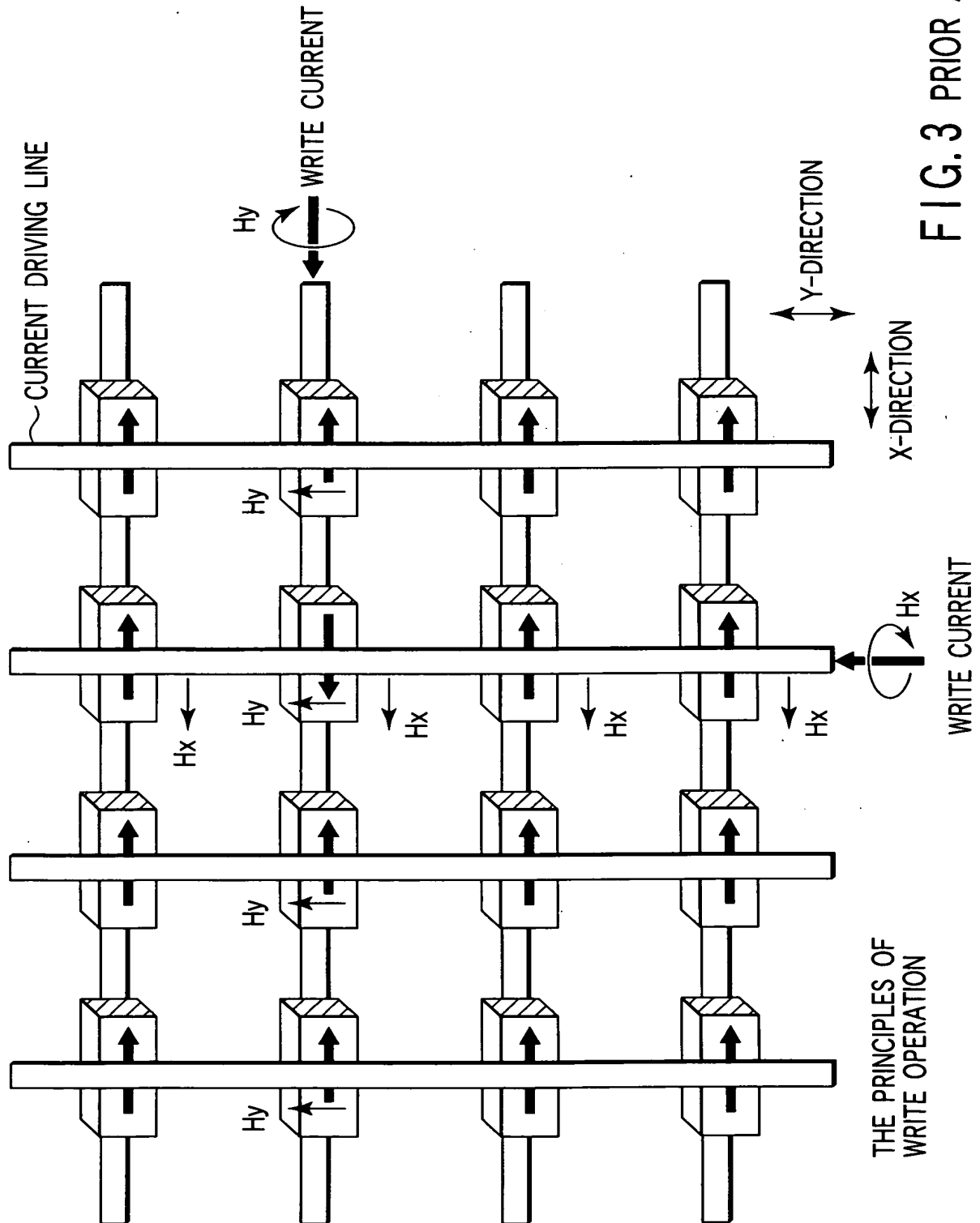


FIG. 2 PRIOR ART



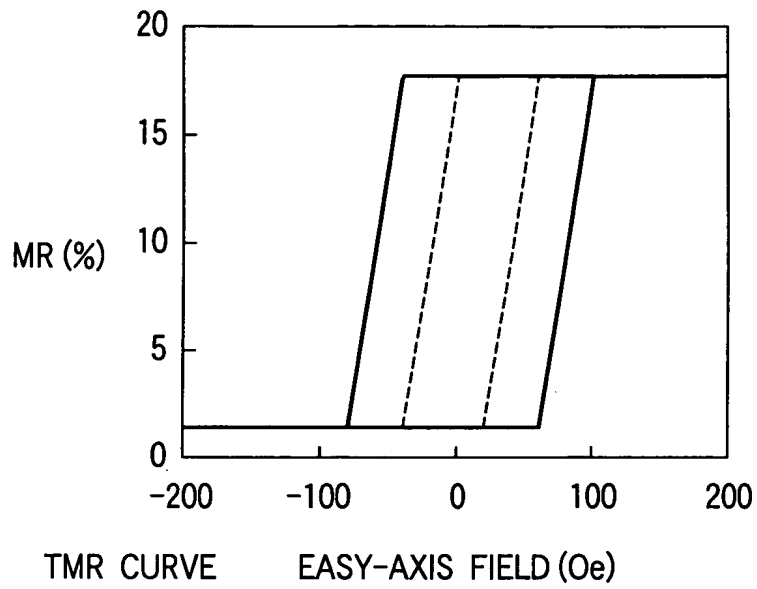


FIG. 4 PRIOR ART

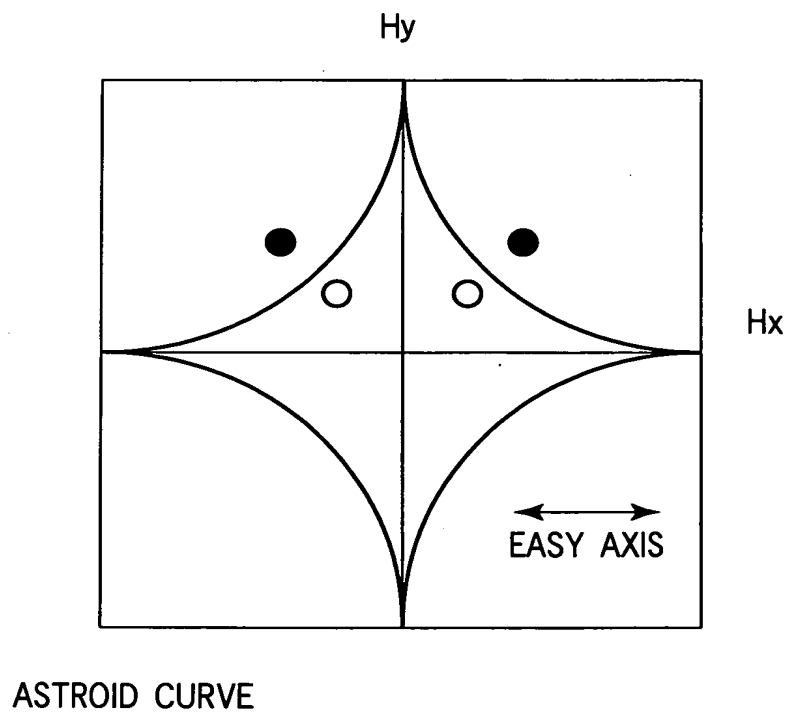


FIG. 5 PRIOR ART

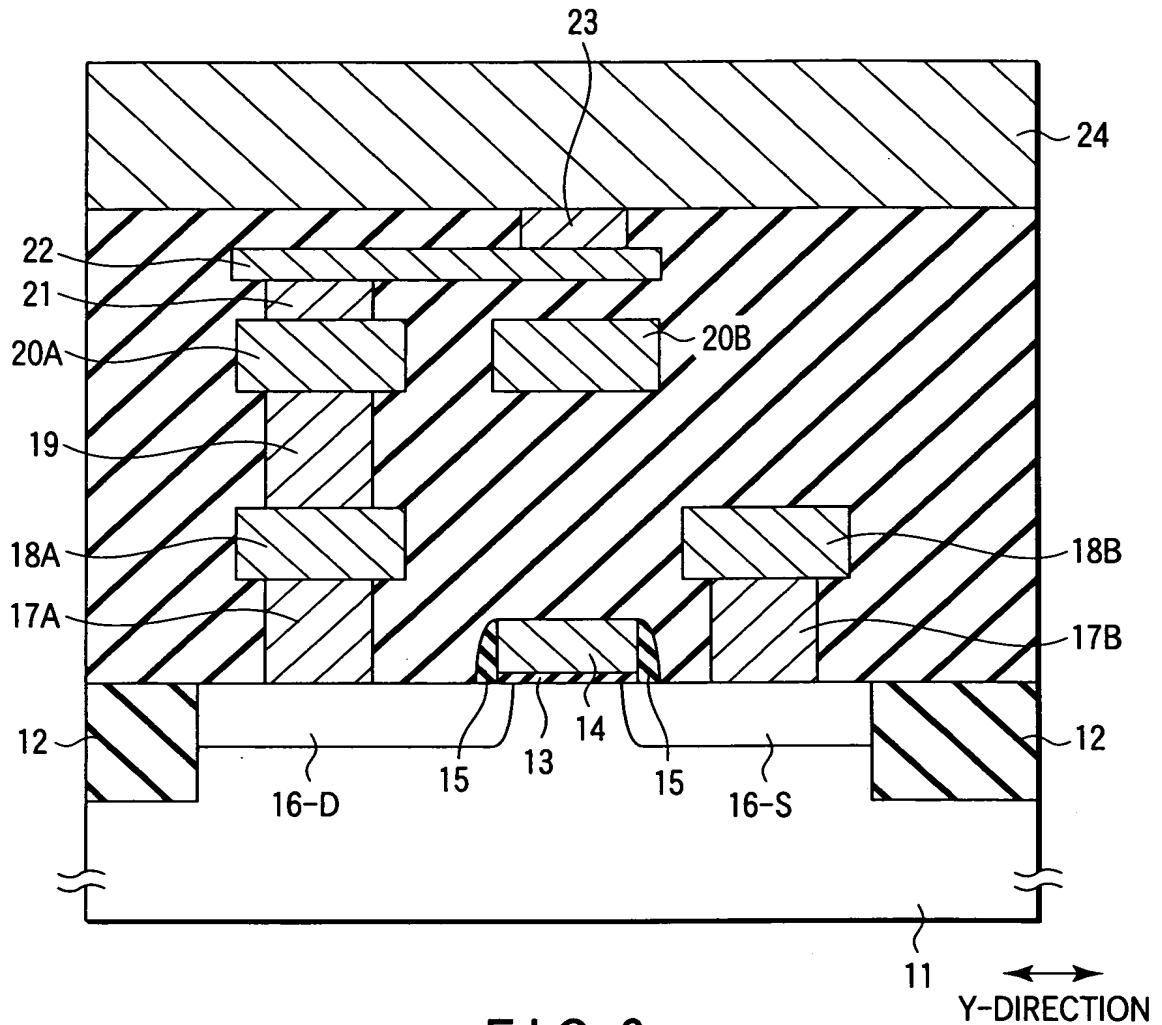


FIG. 6

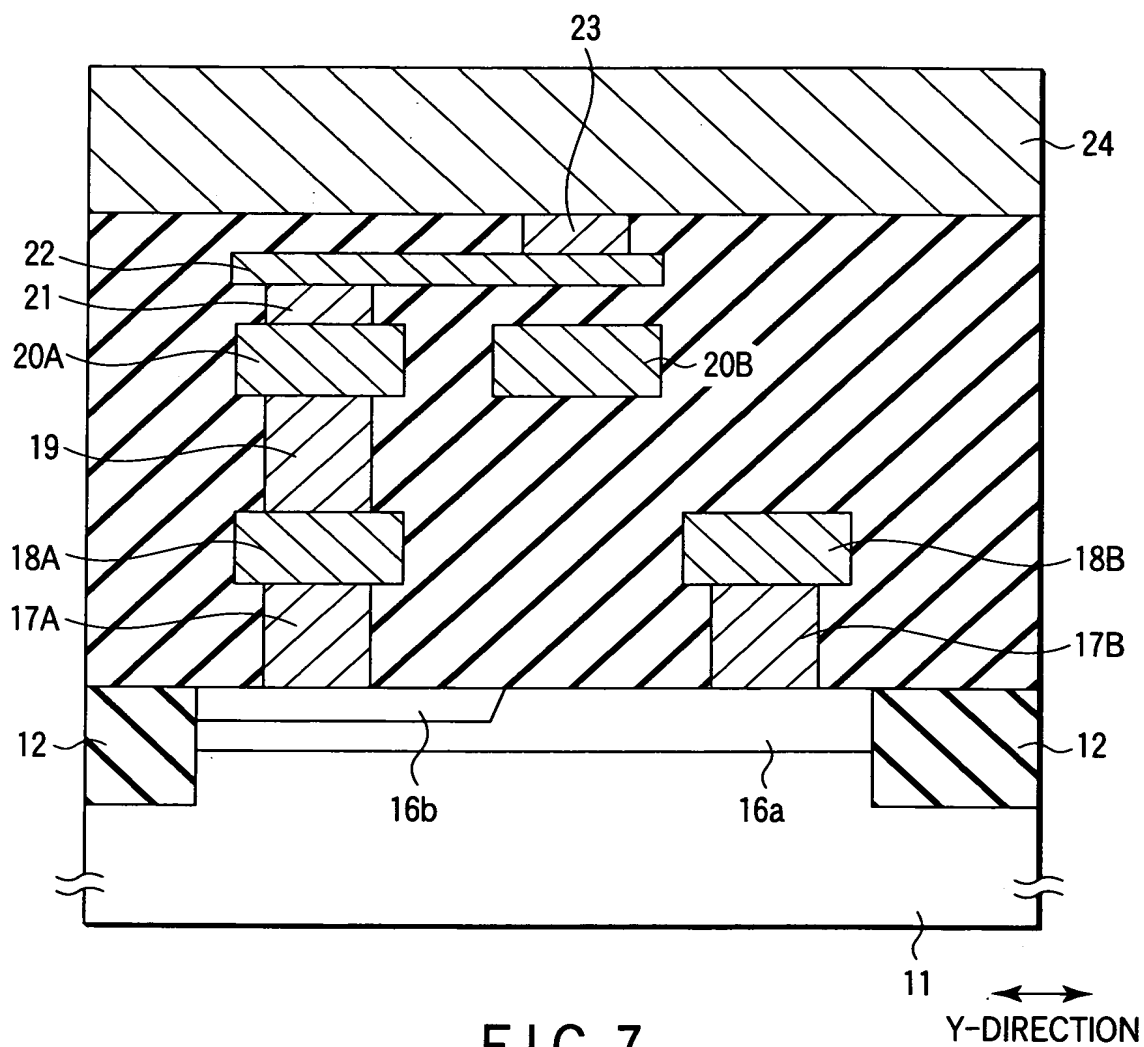
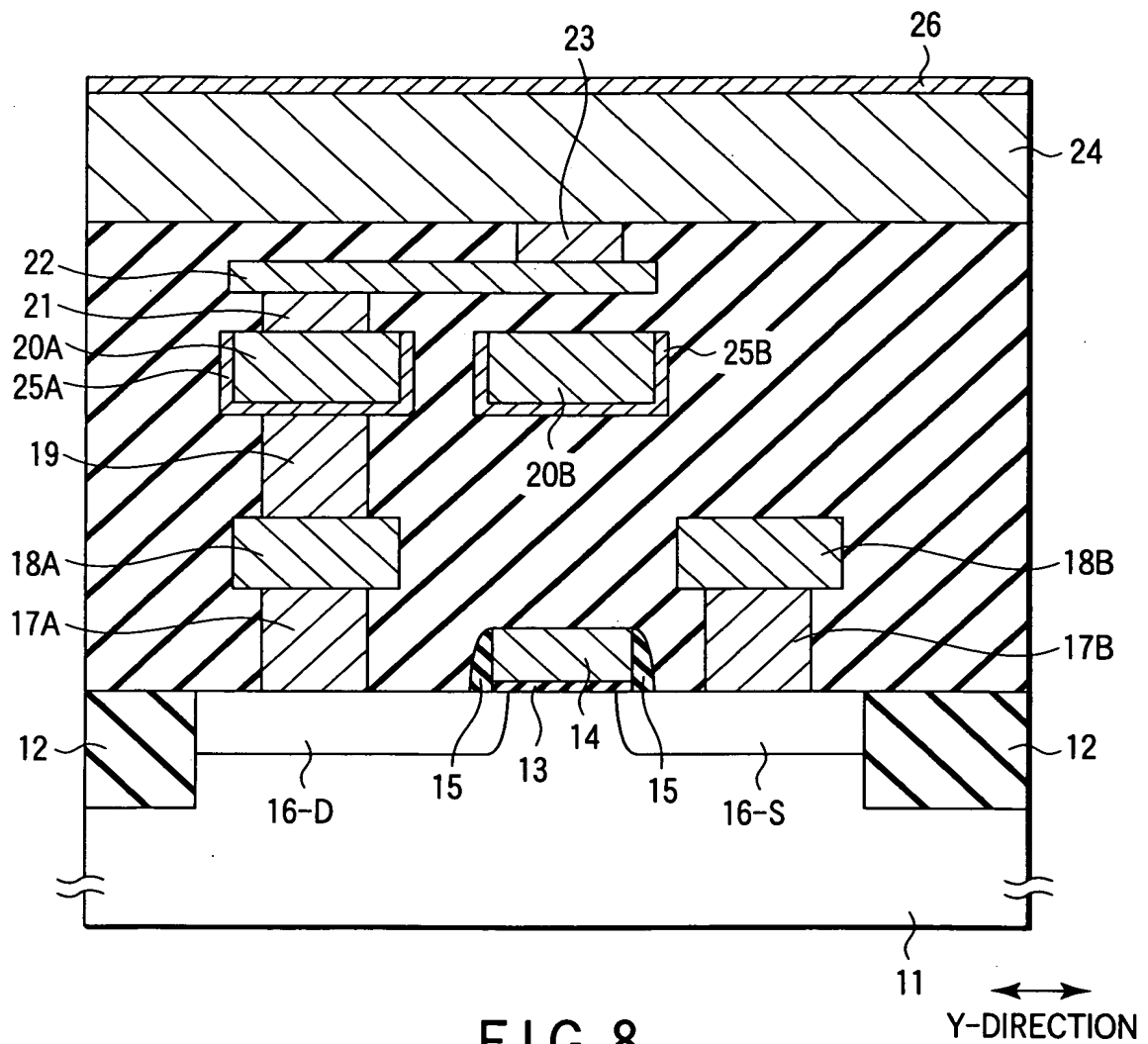


FIG. 7



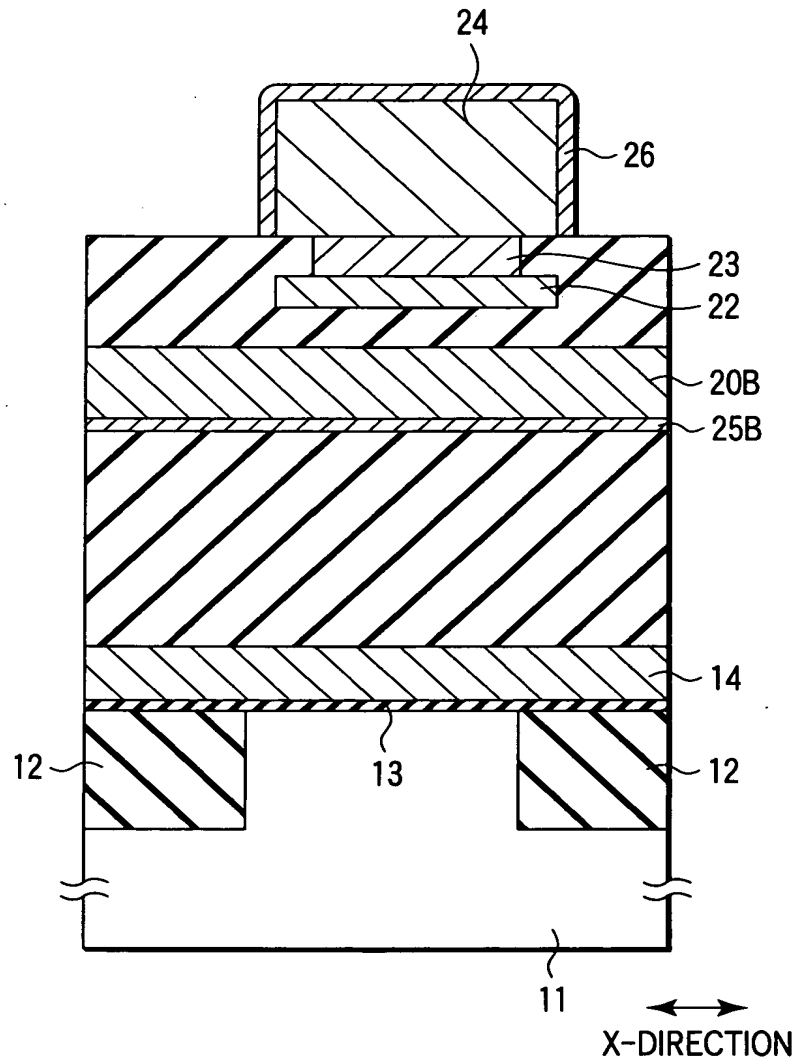


FIG. 9

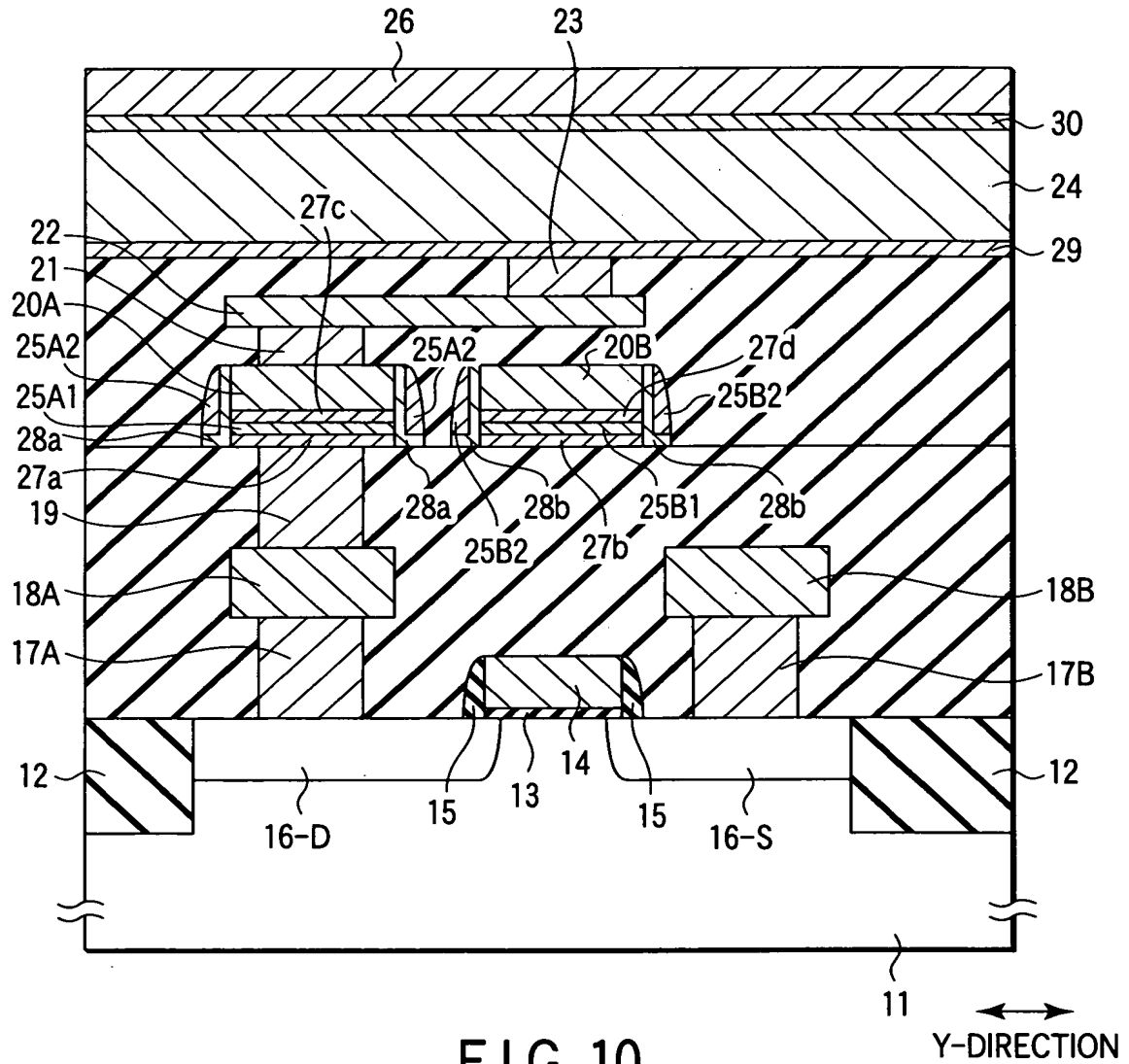


FIG. 10

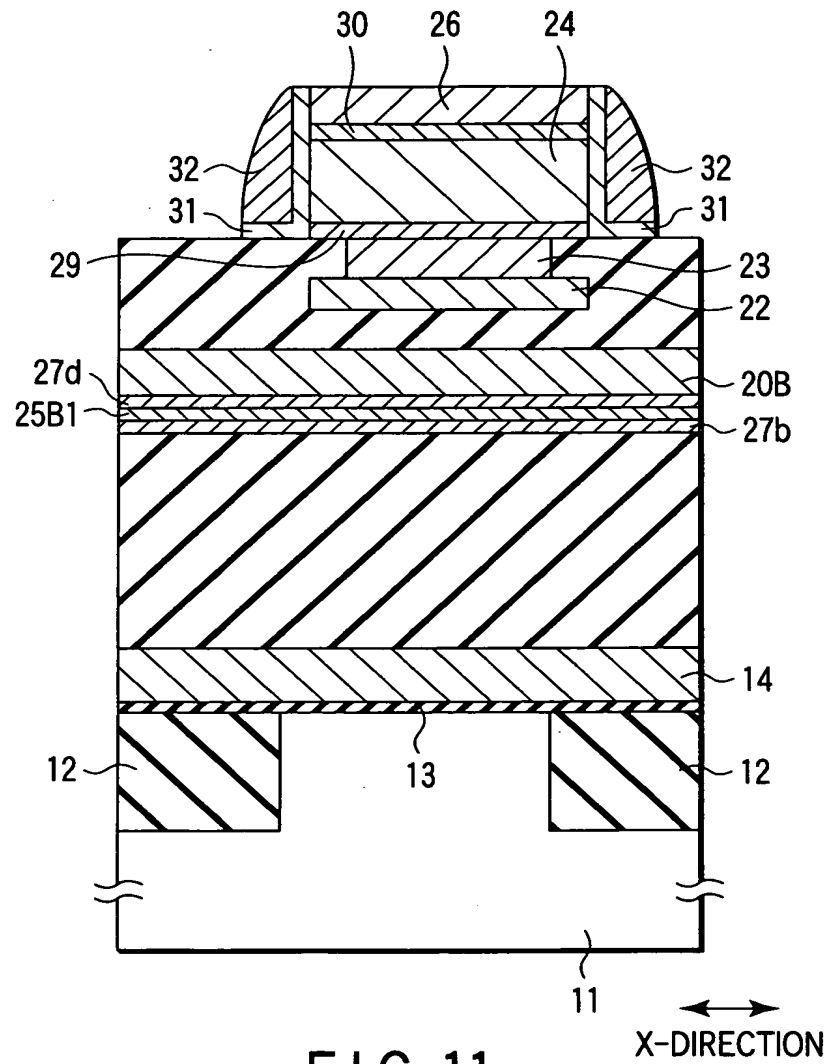


FIG. 11

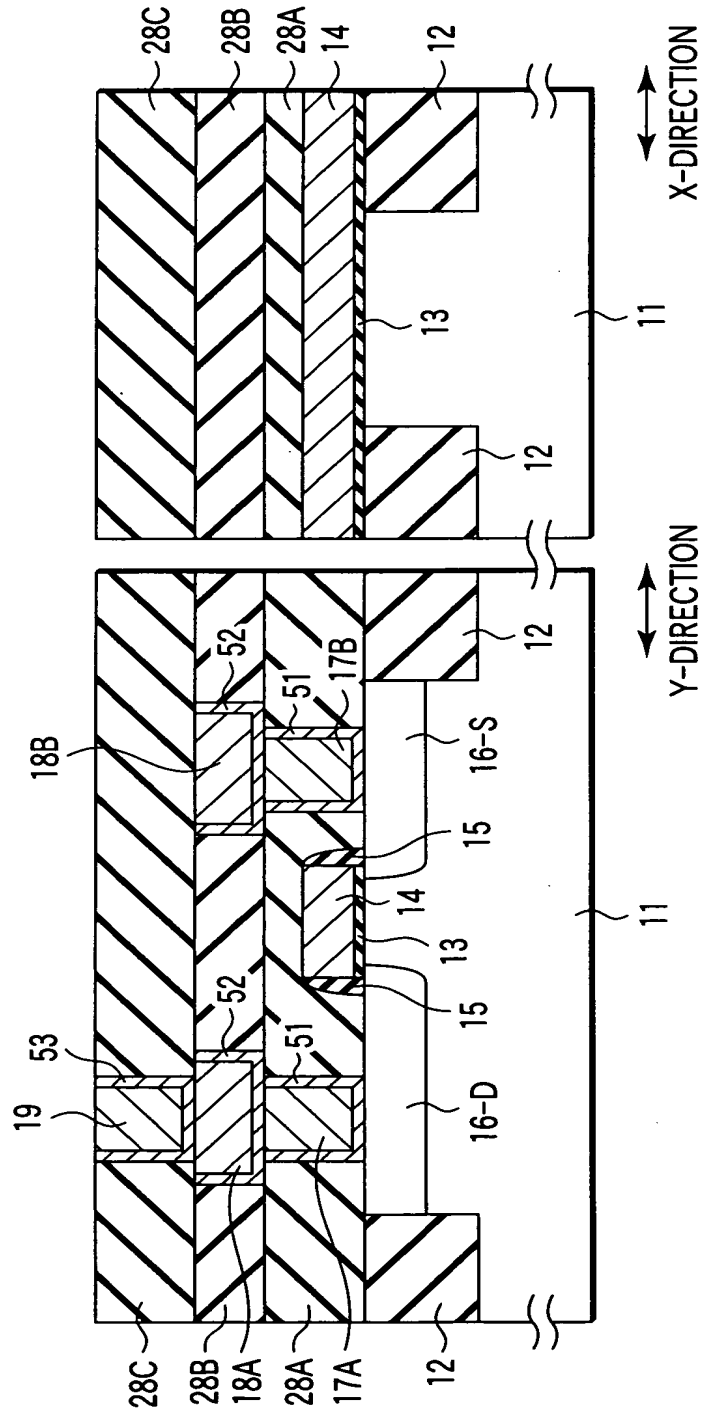


FIG. 12

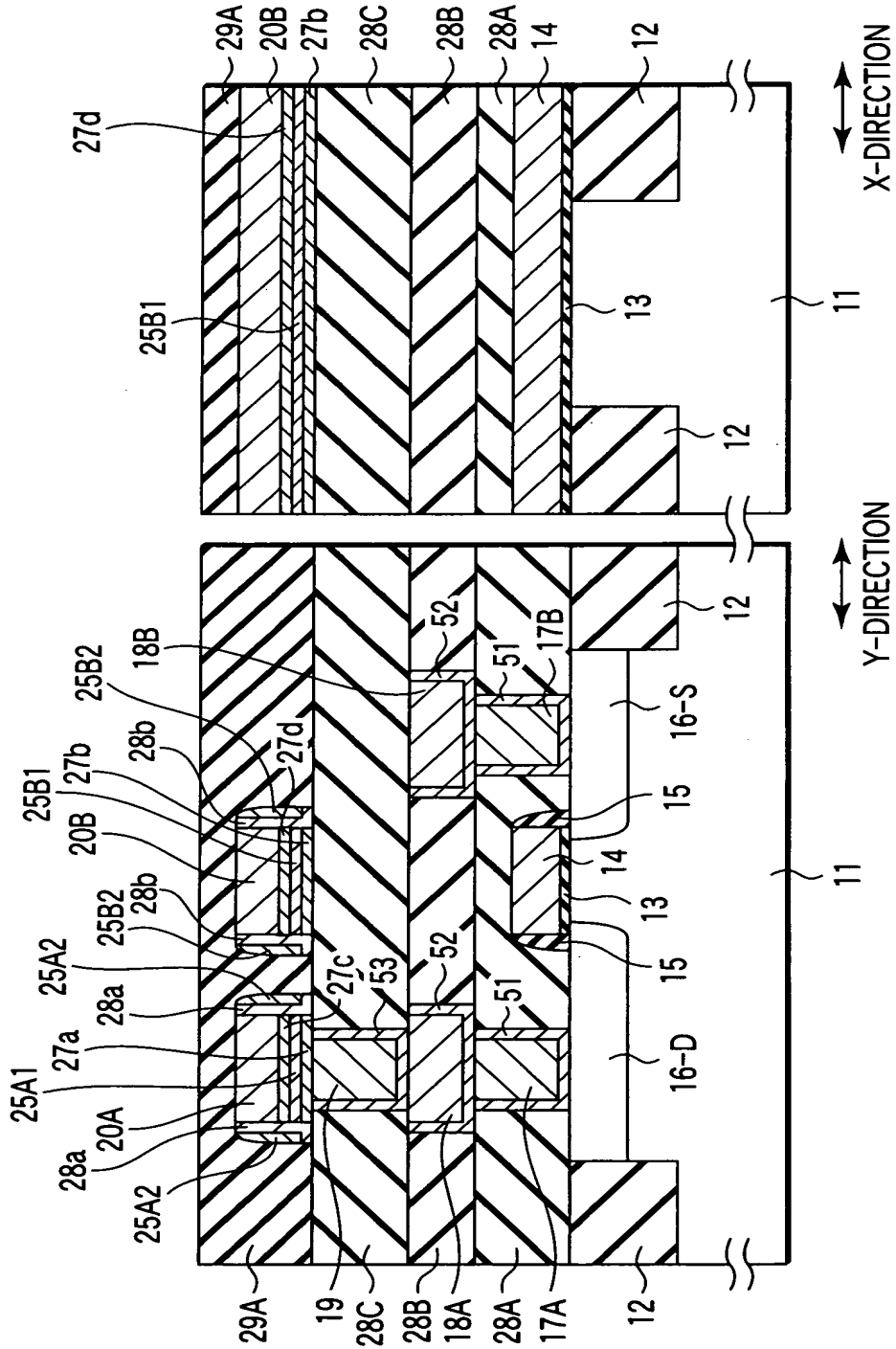


FIG. 13

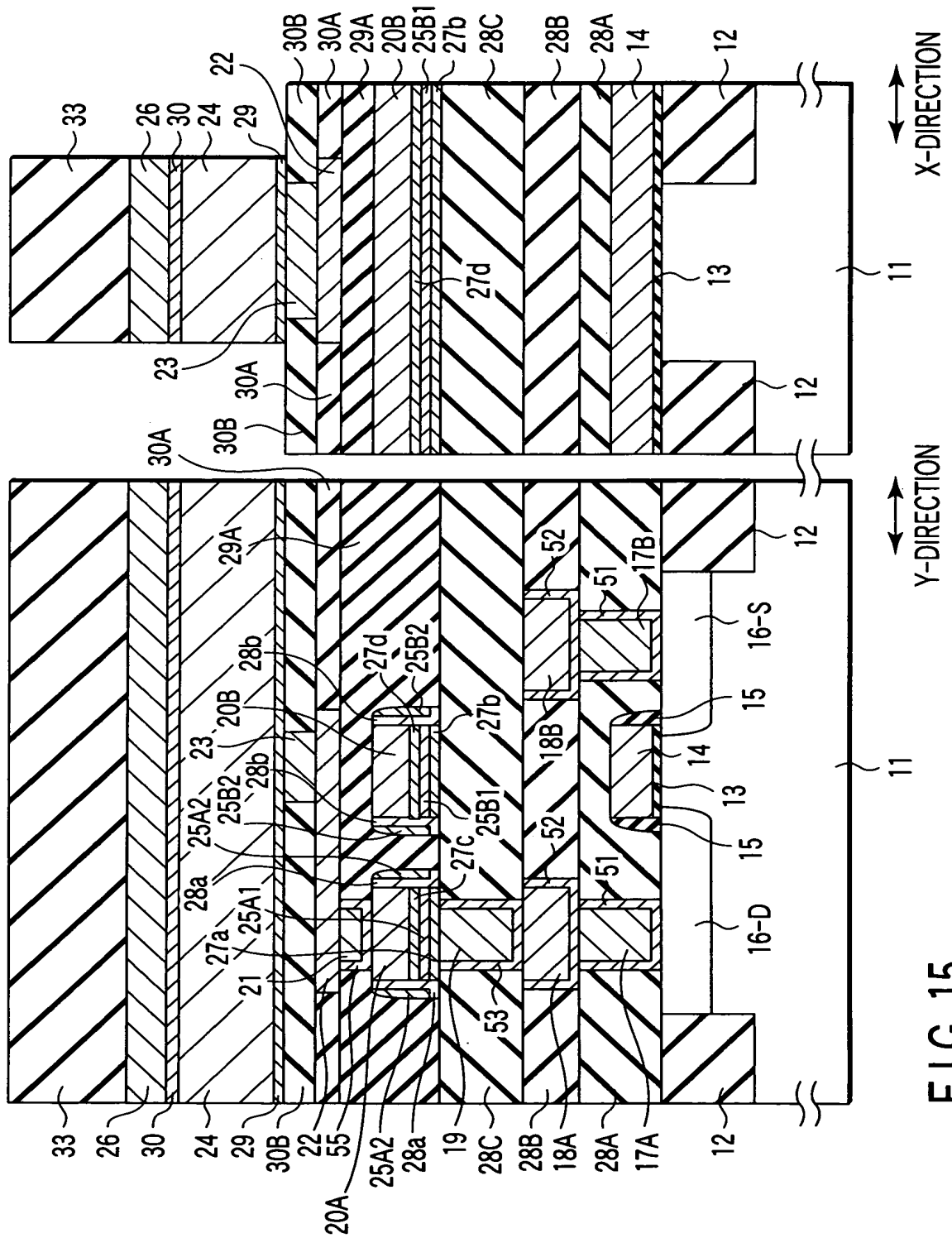


FIG. 15

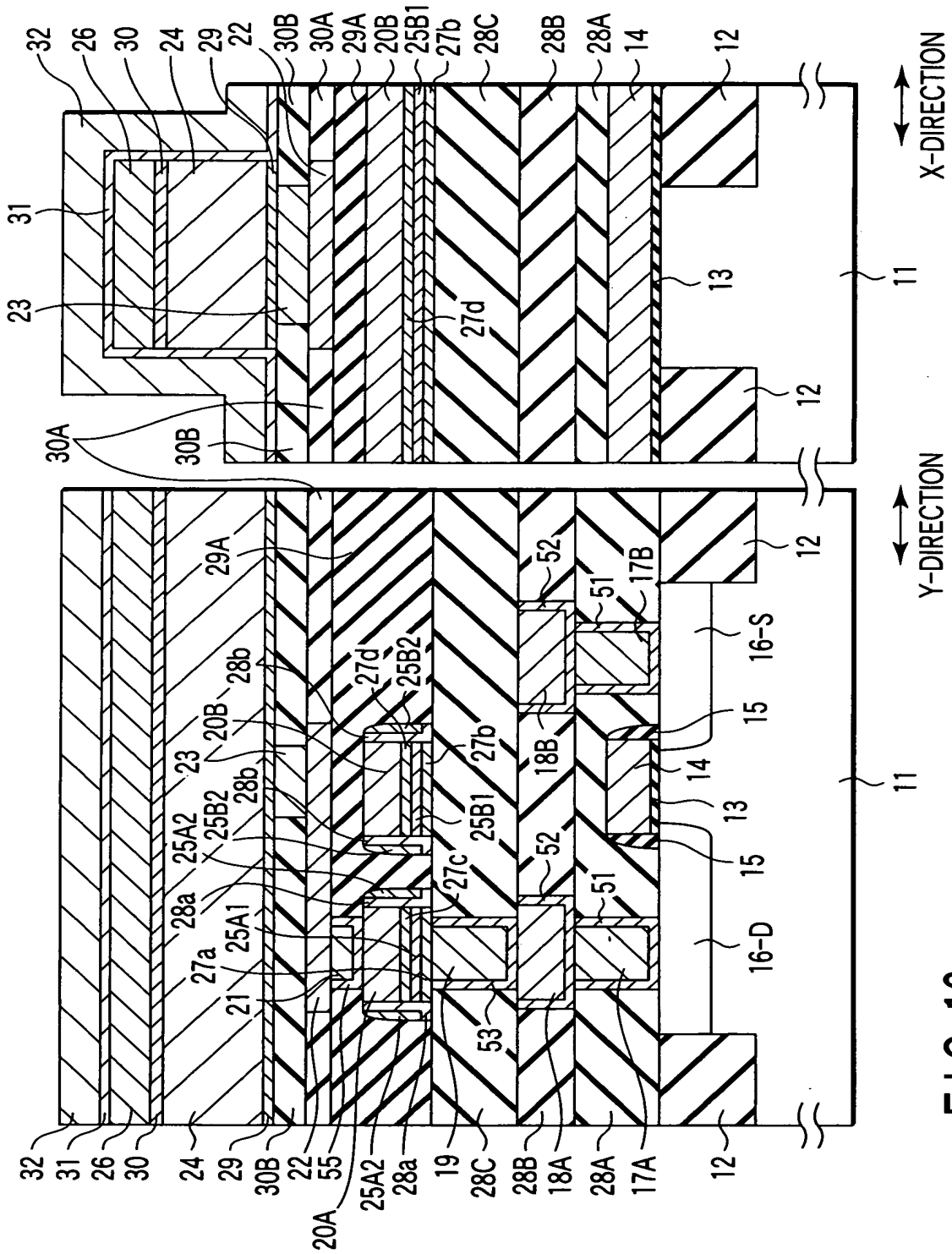


FIG. 16

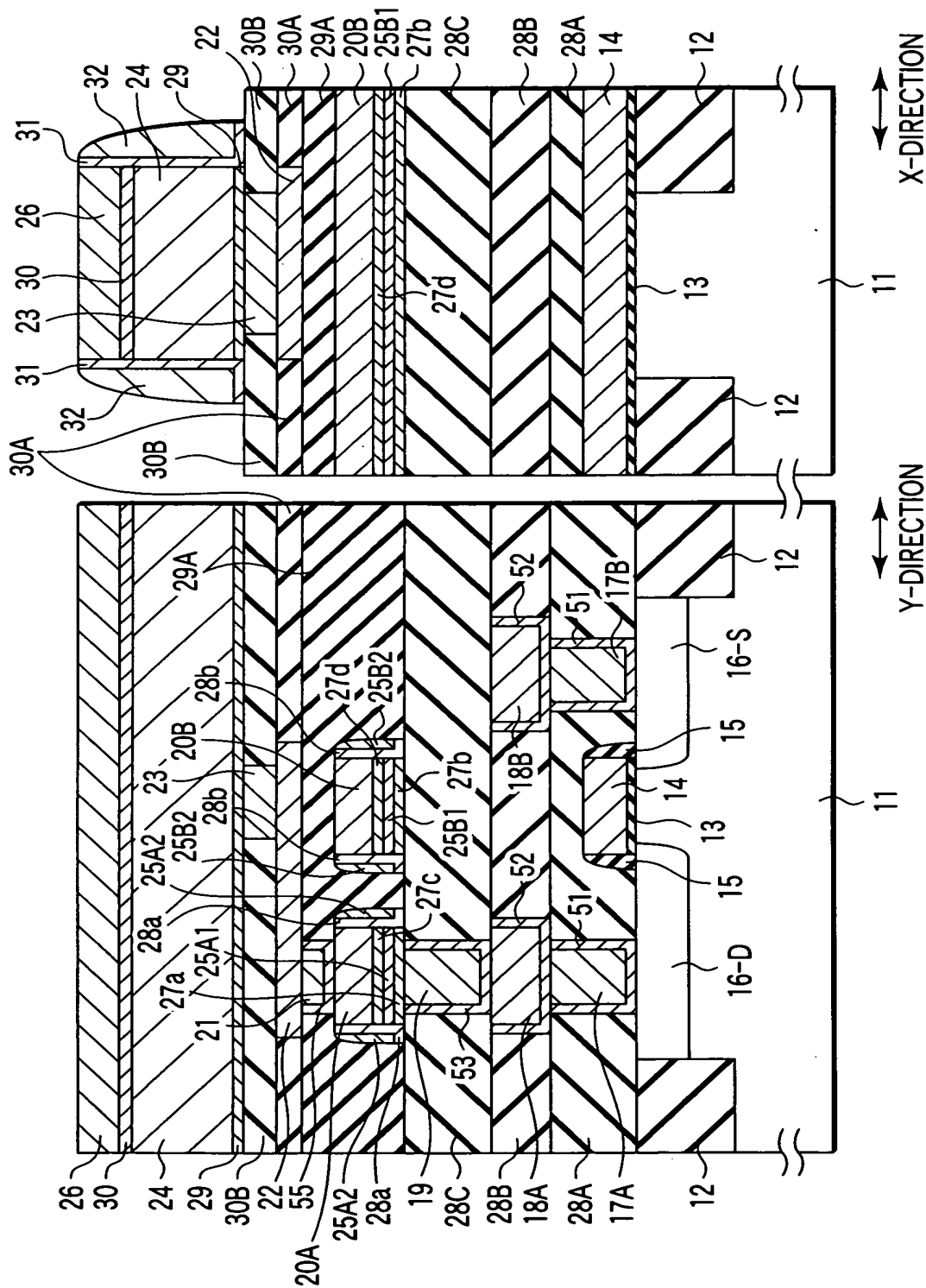
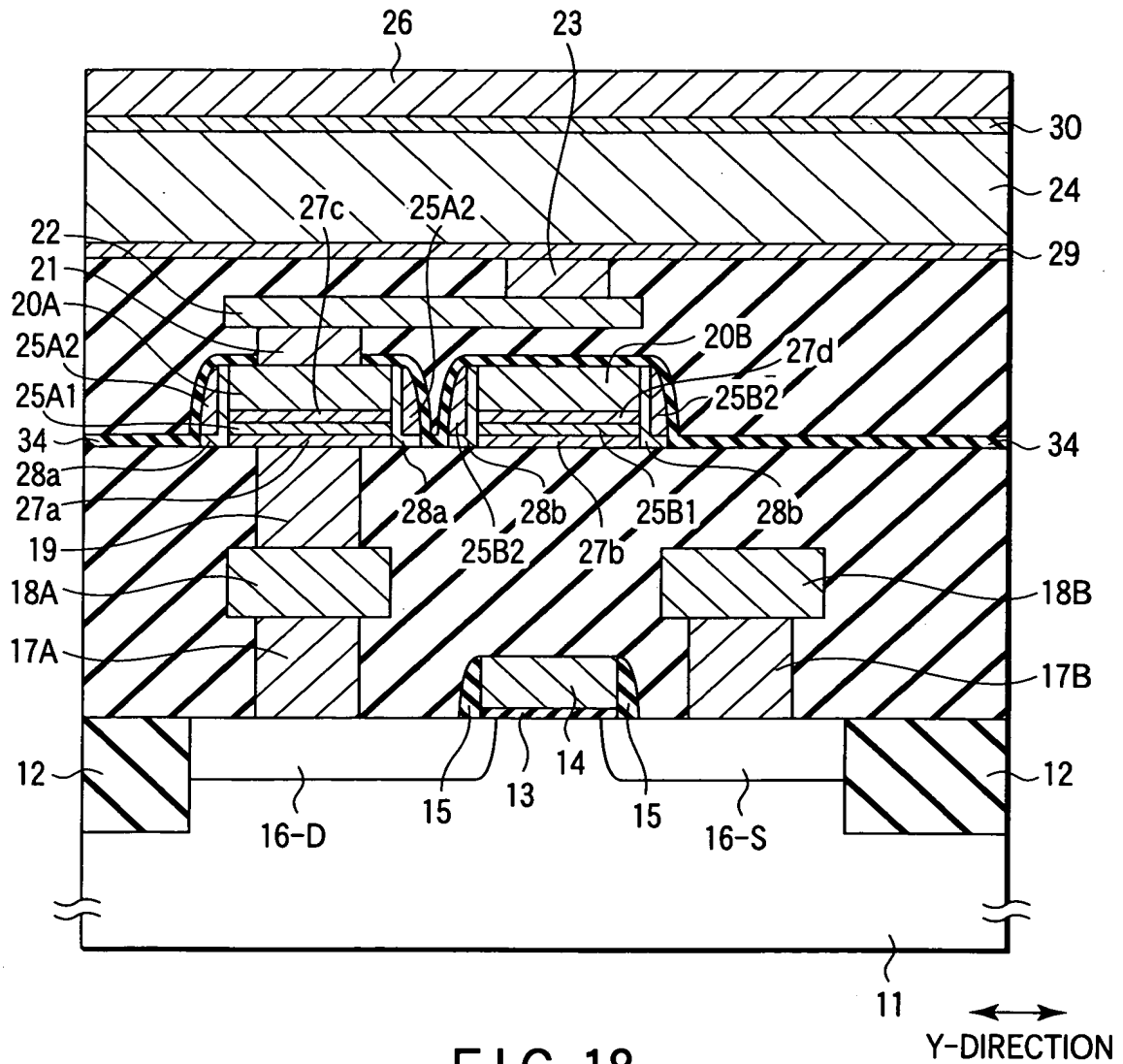


FIG. 17



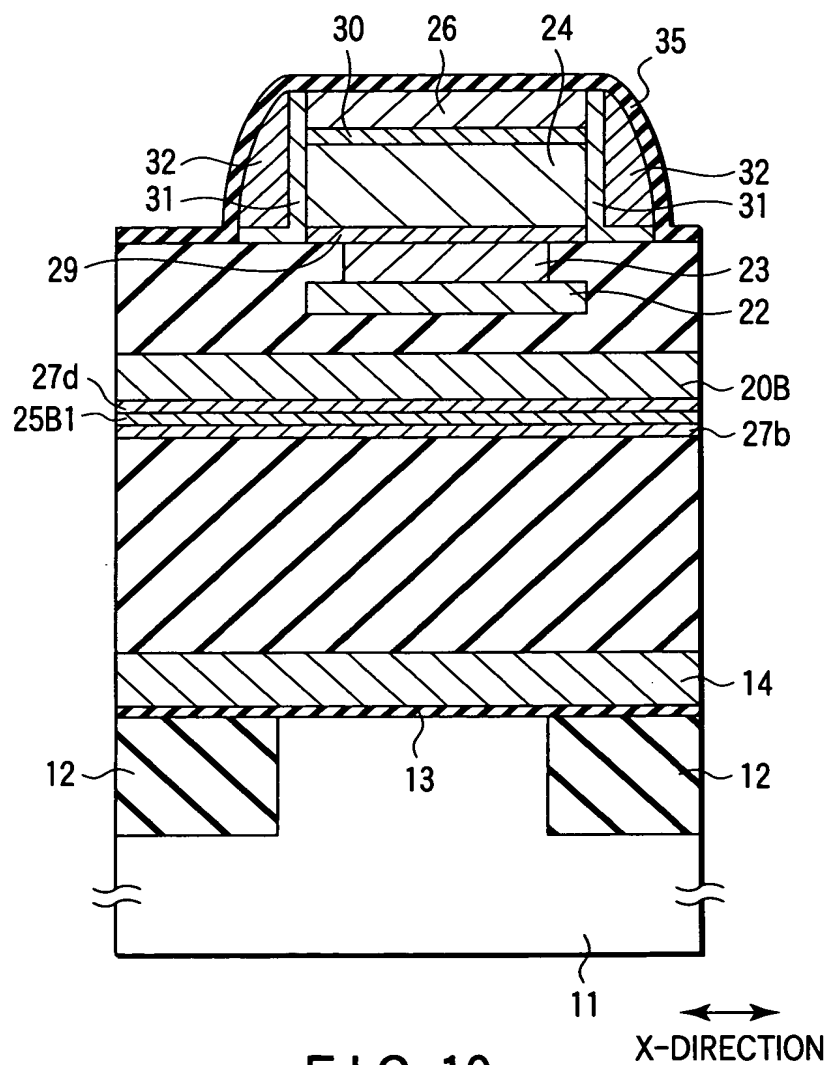


FIG. 19

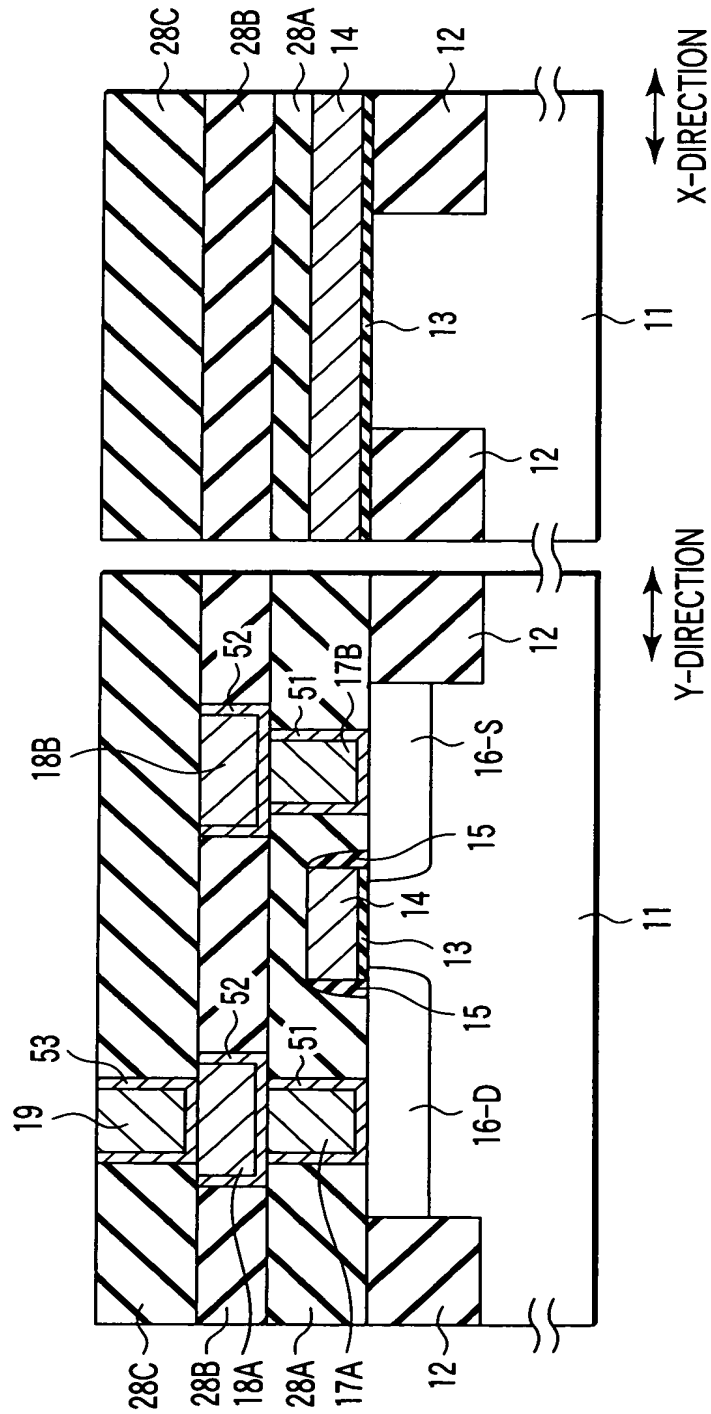


FIG. 20

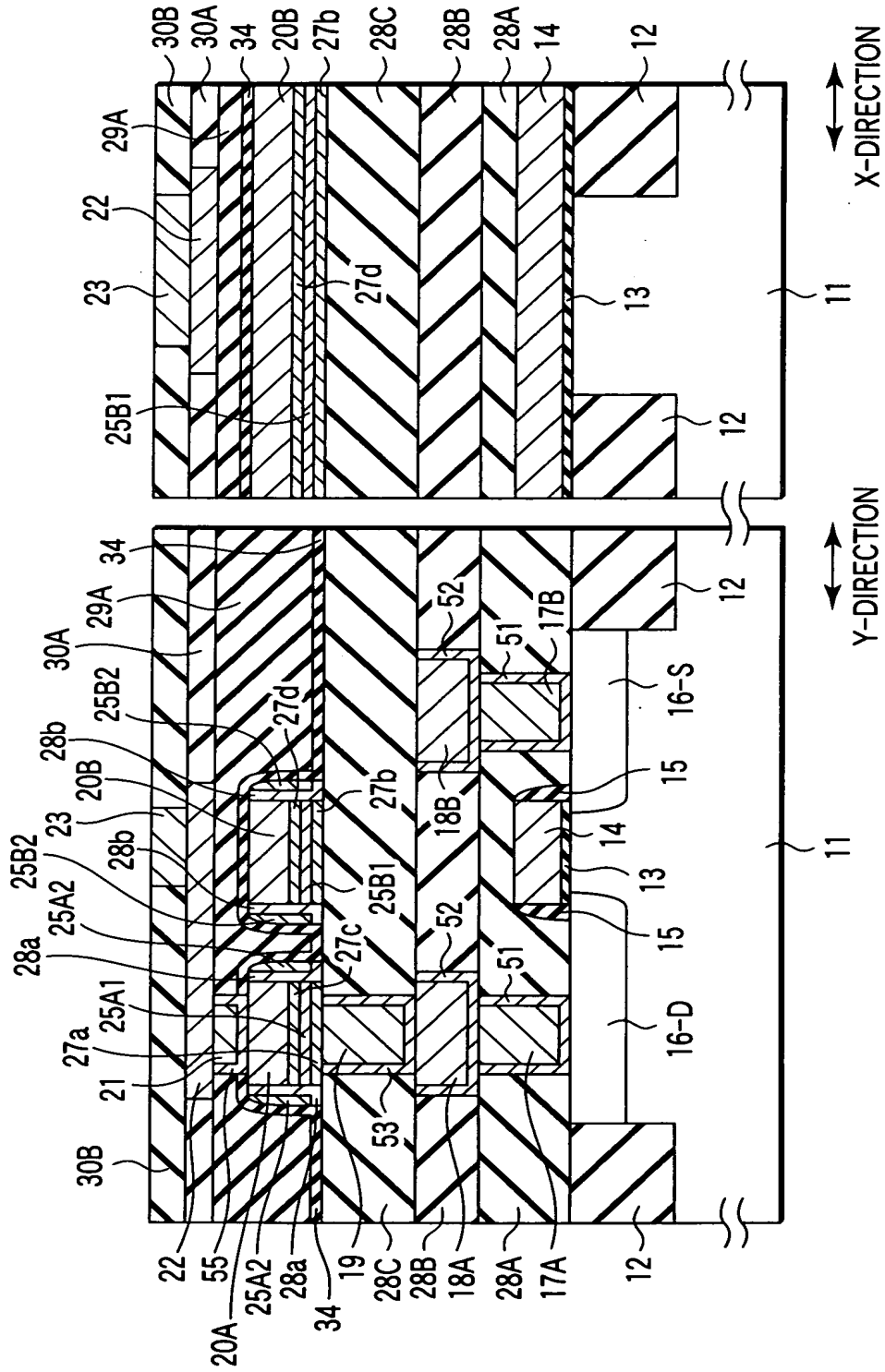
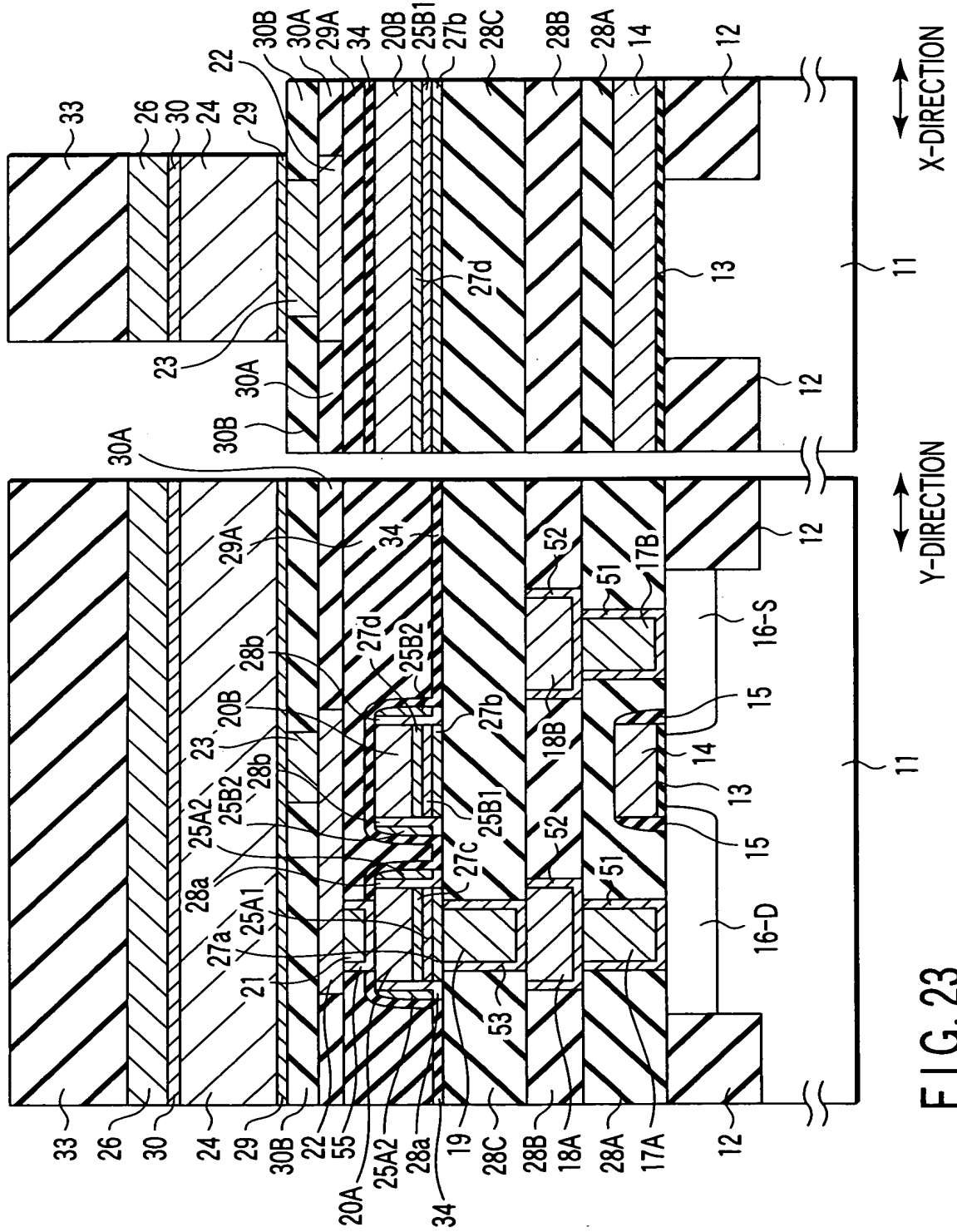


FIG. 22



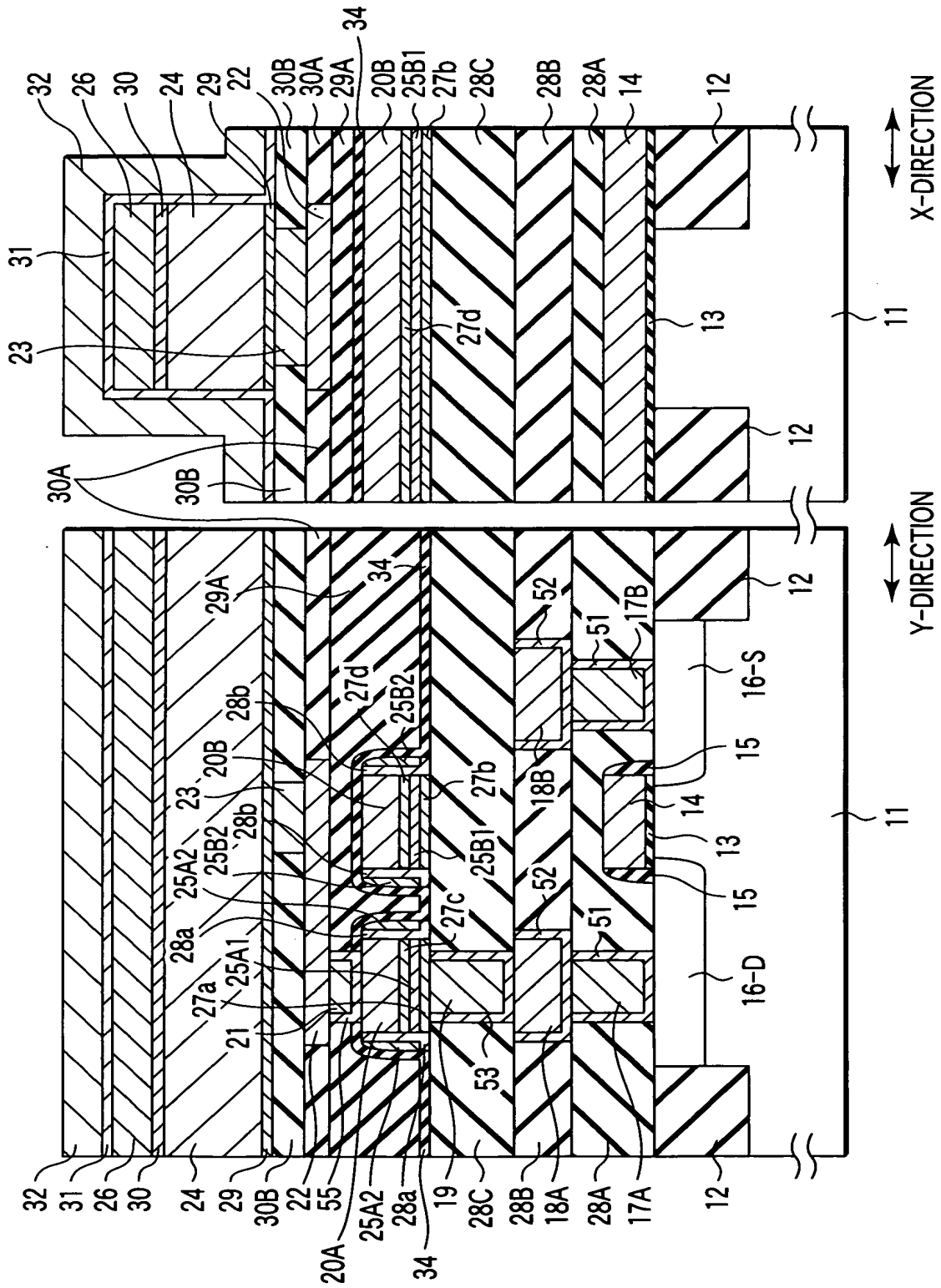


FIG. 24

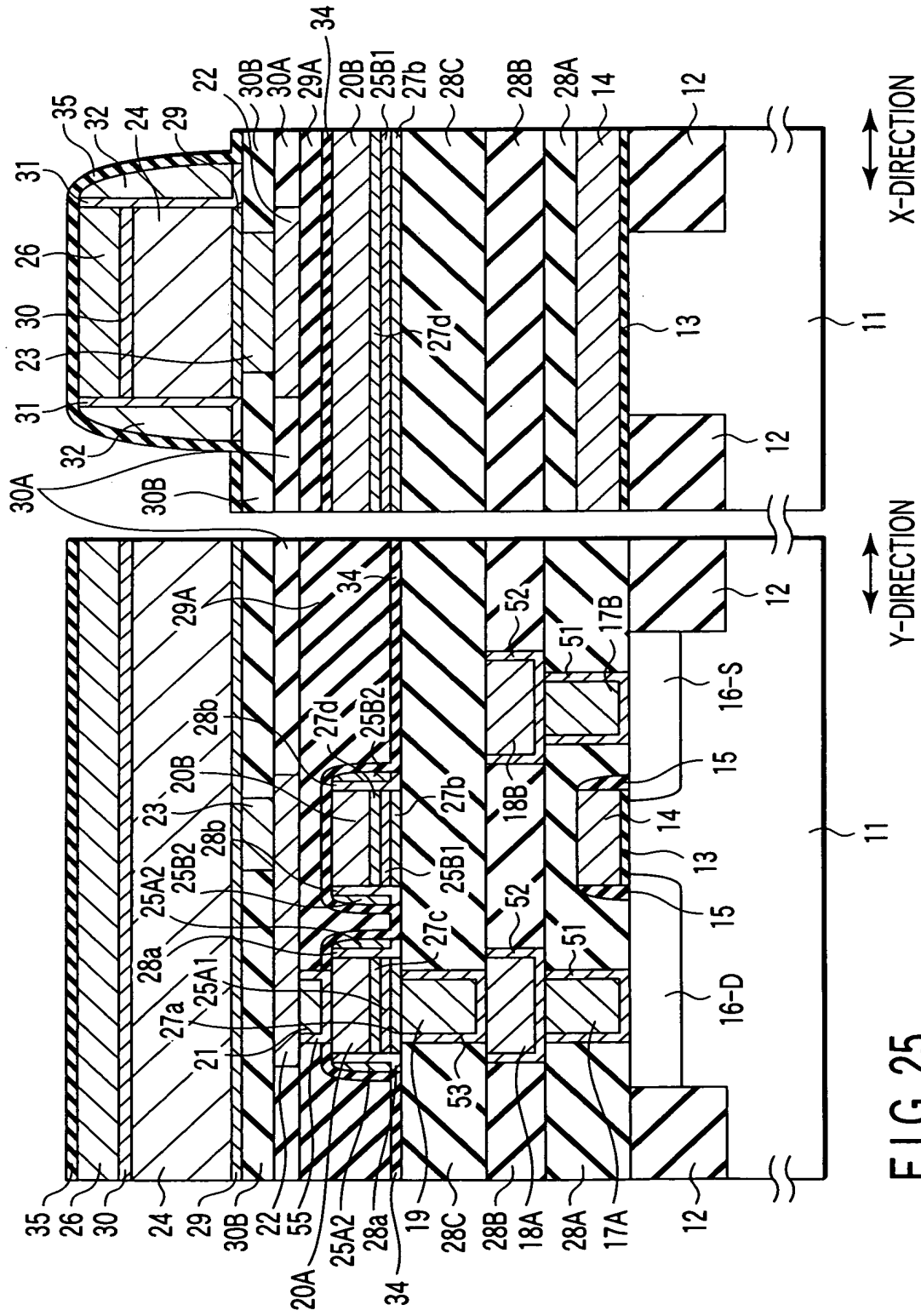


FIG. 26

FIG. 27

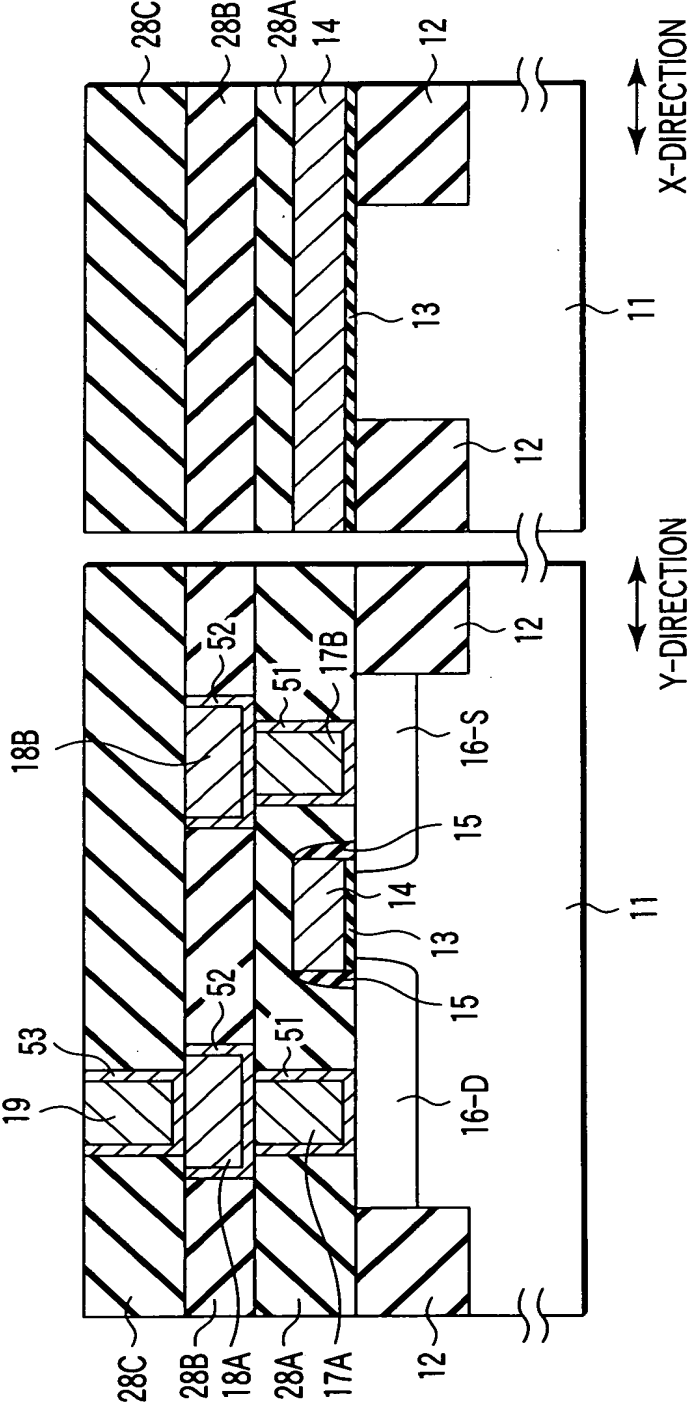


FIG. 28

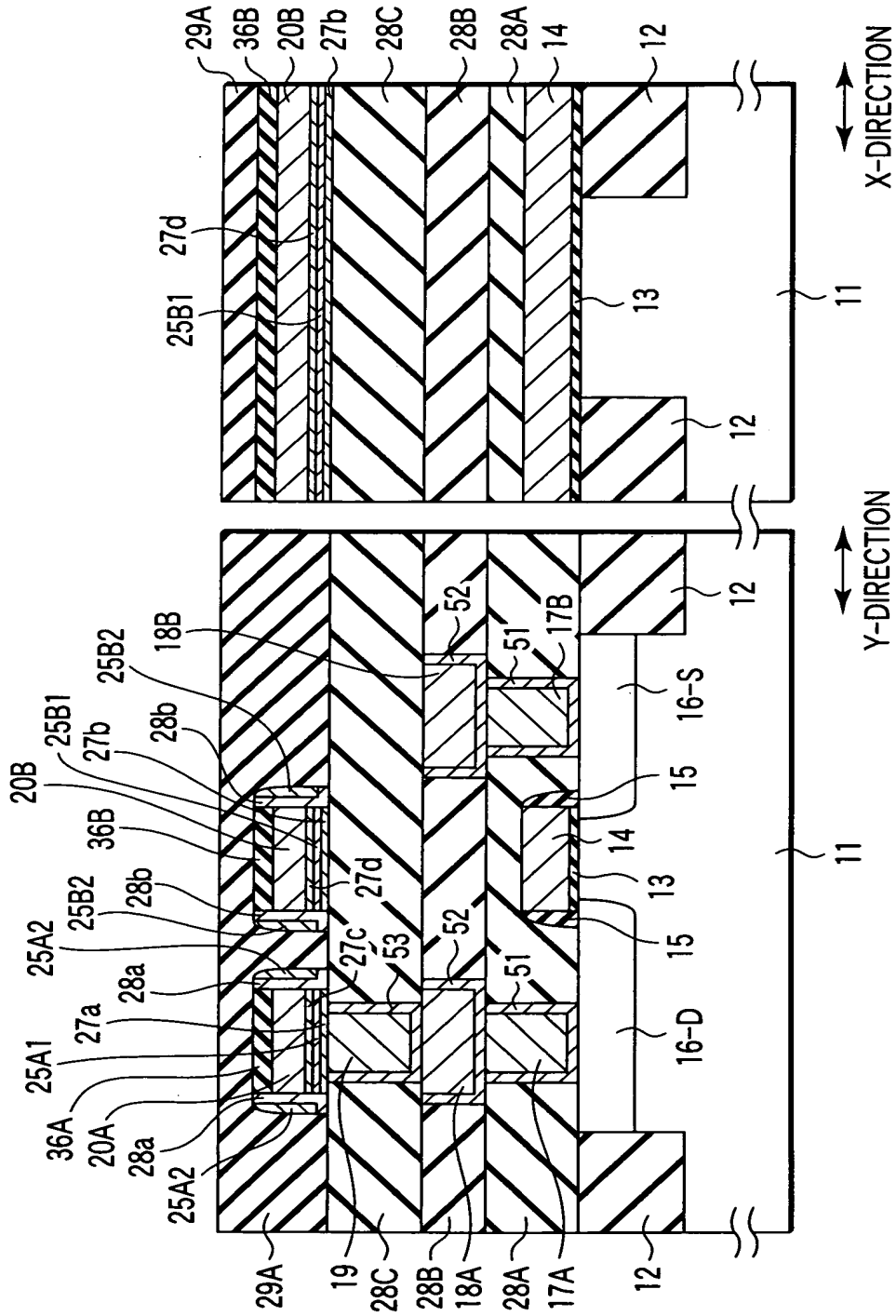


FIG. 29

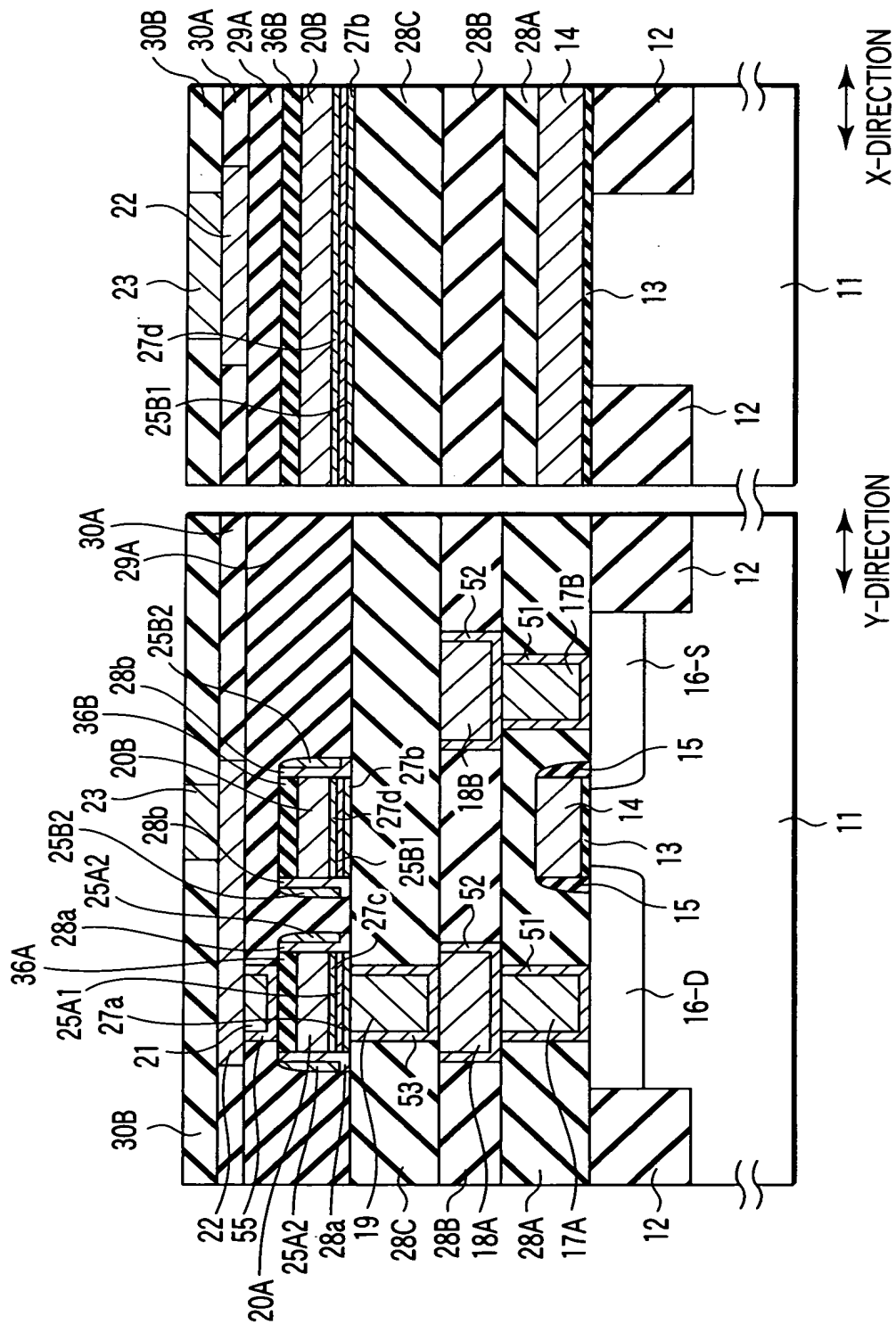
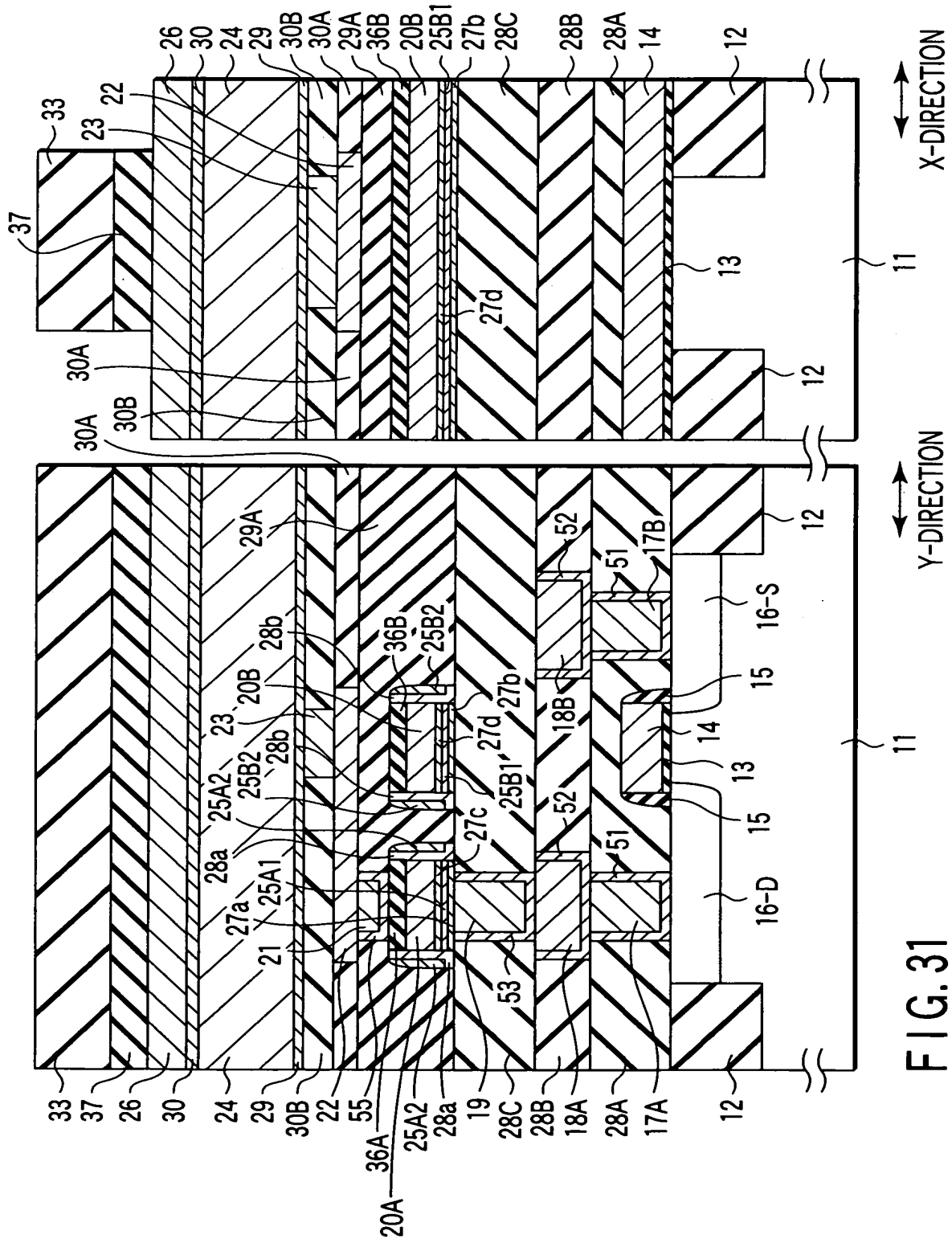


FIG. 30



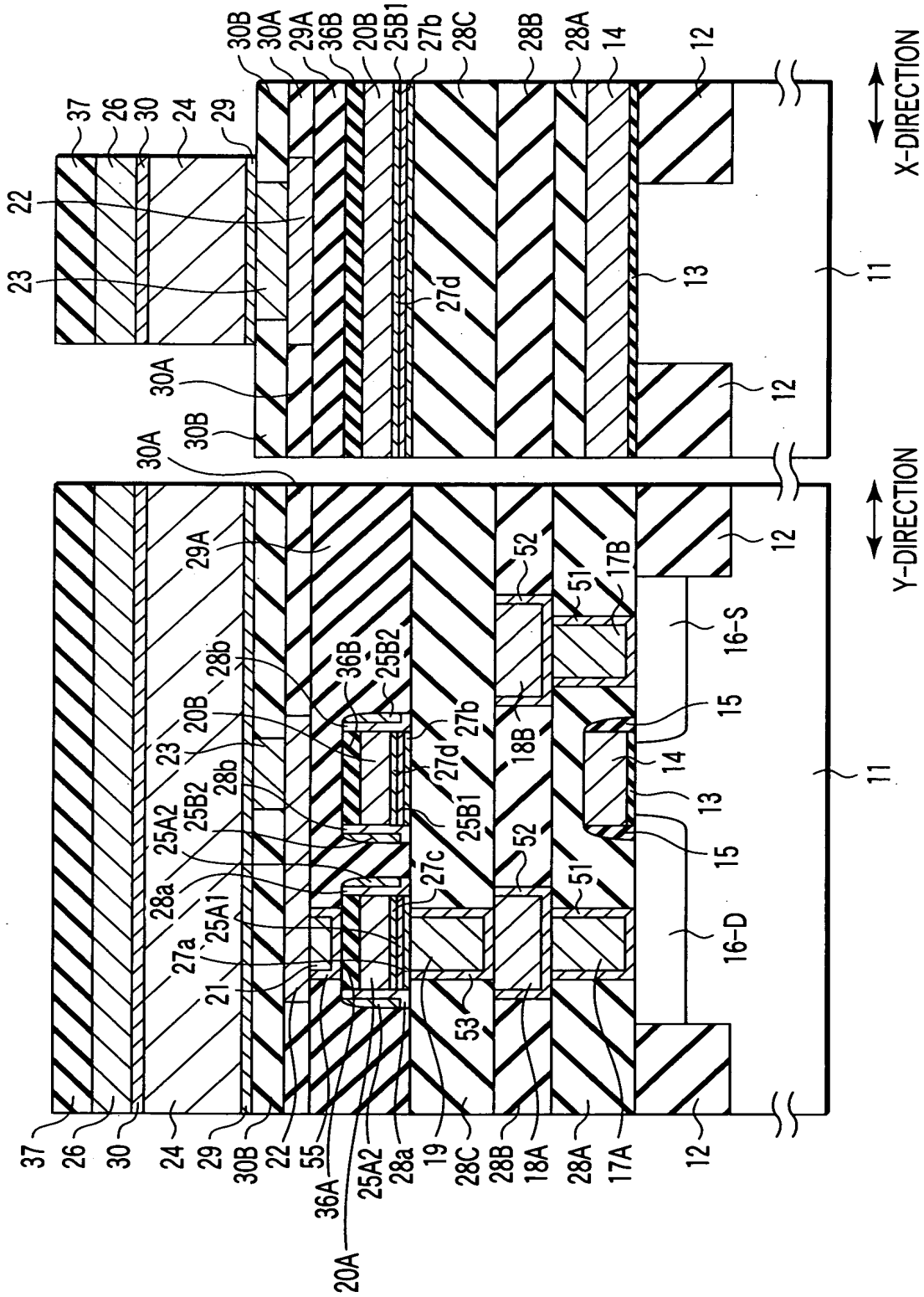


FIG. 32

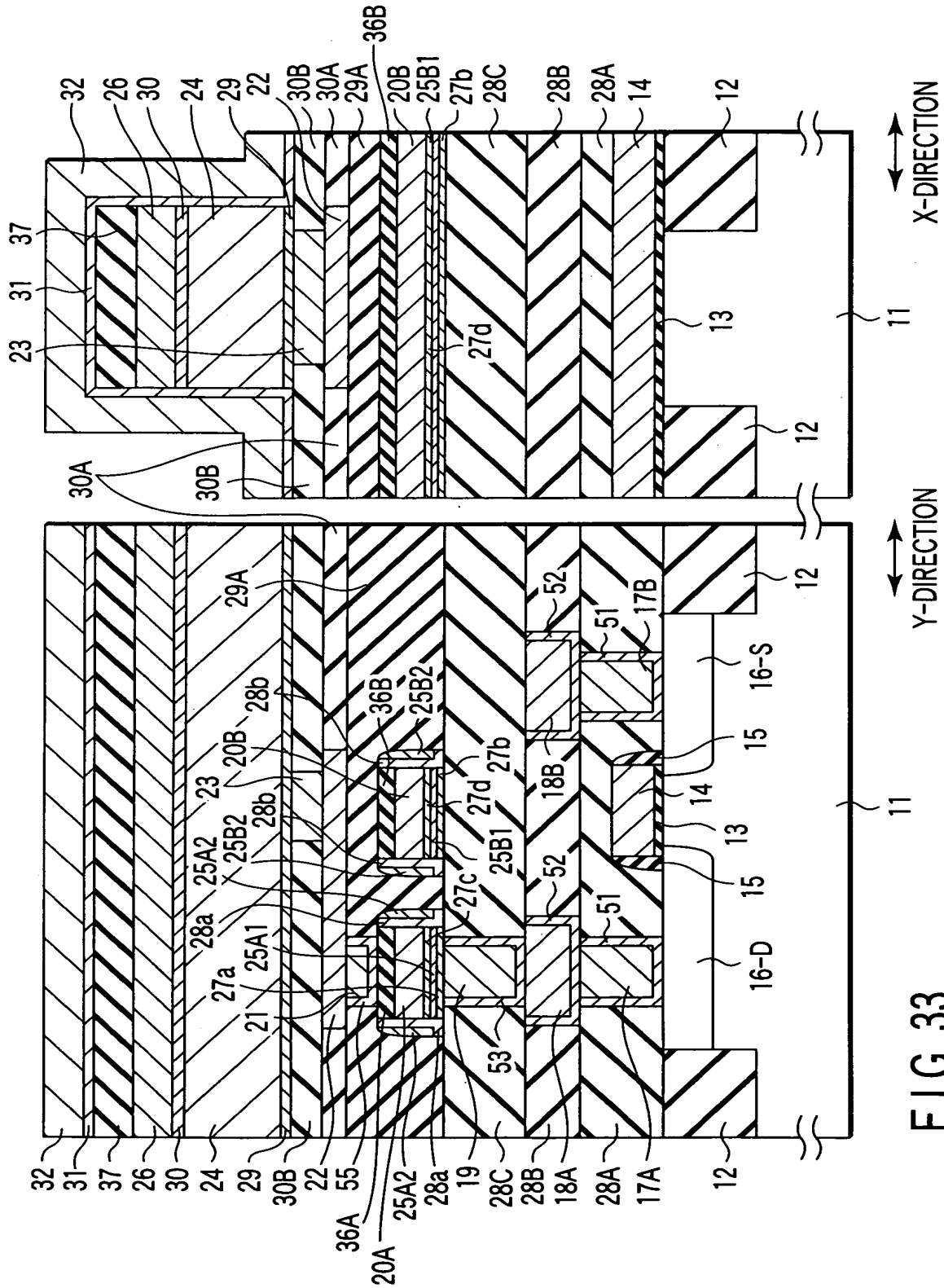


FIG. 33

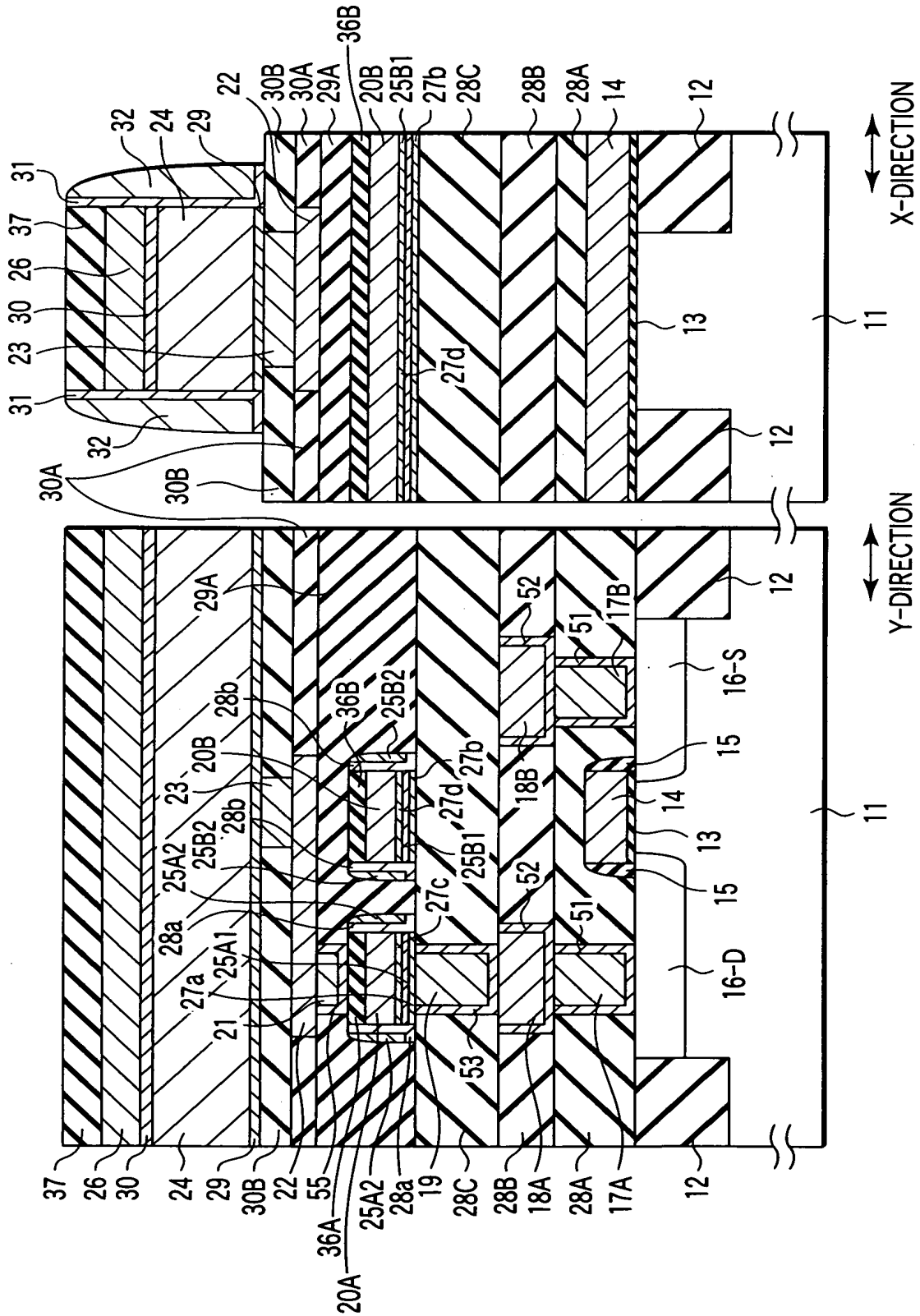
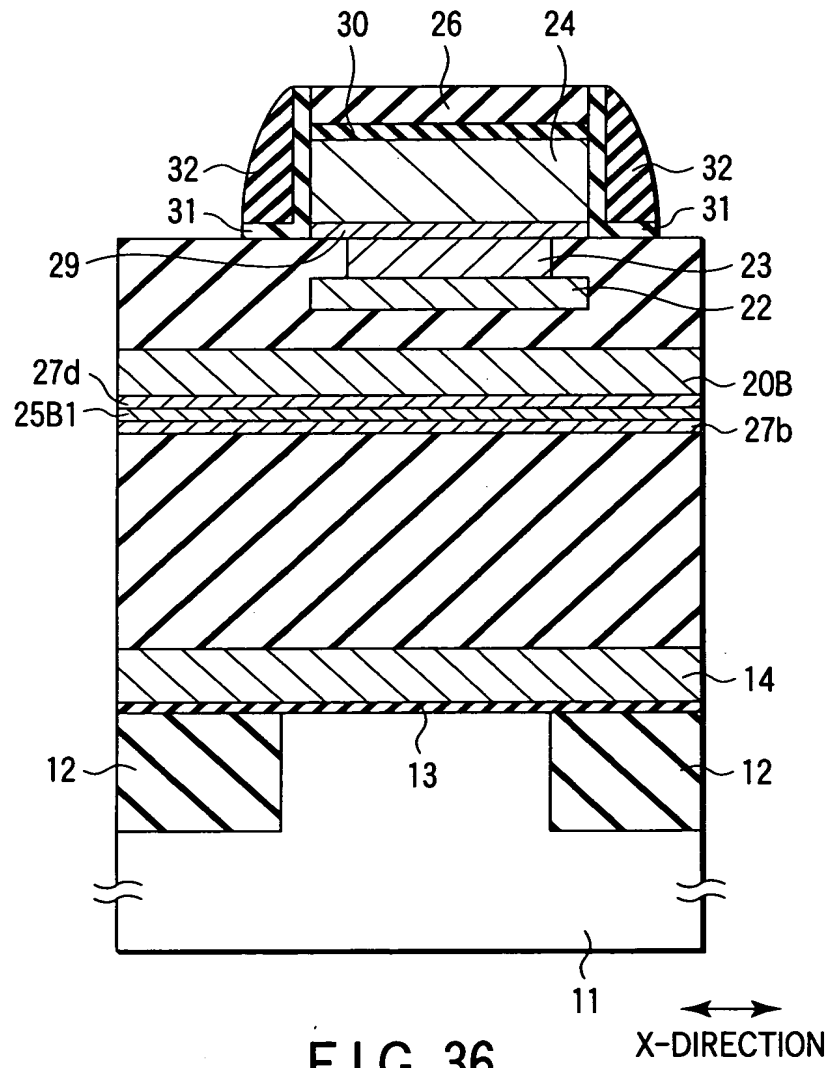


FIG. 34

FIG. 35



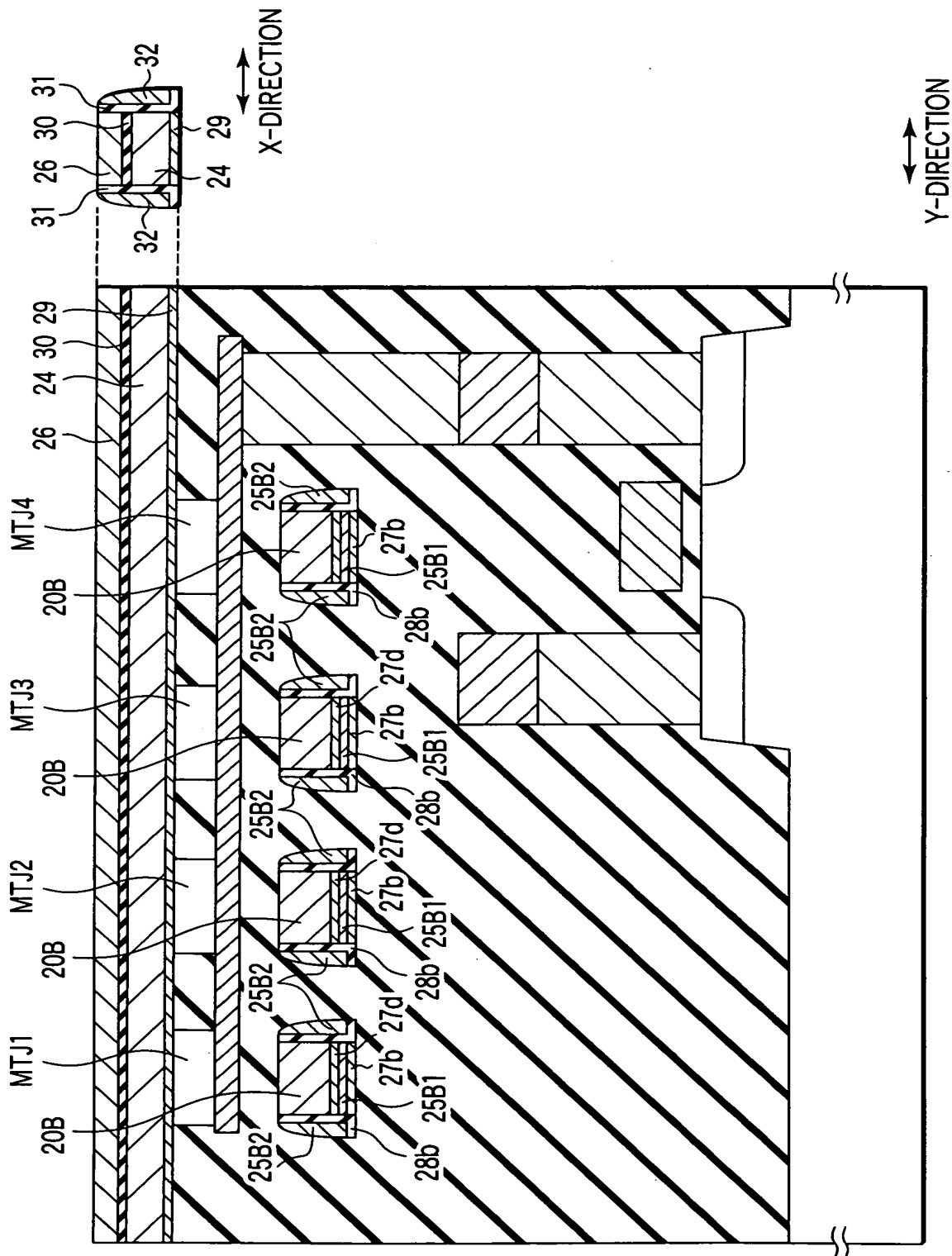


FIG. 37

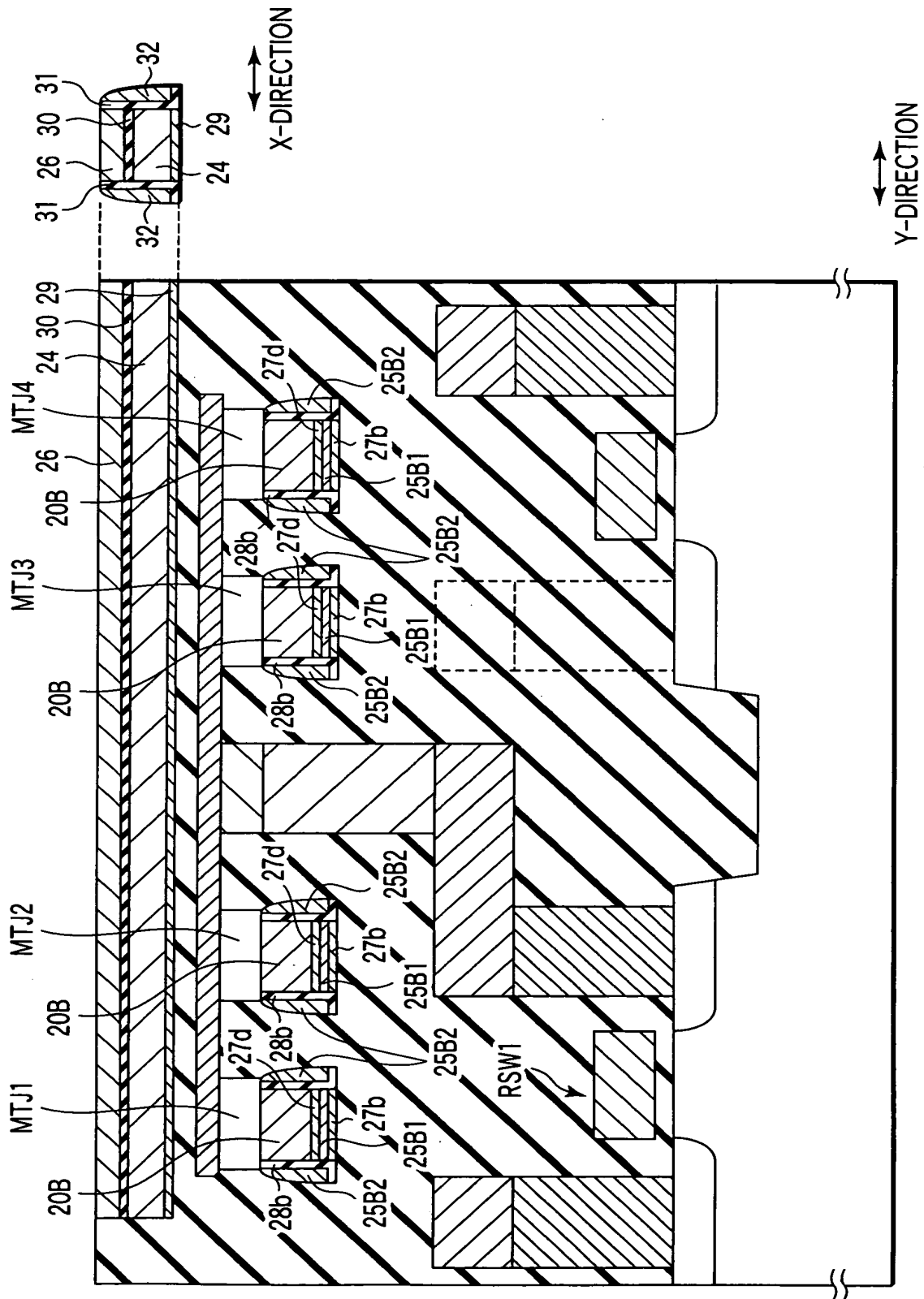


FIG. 38

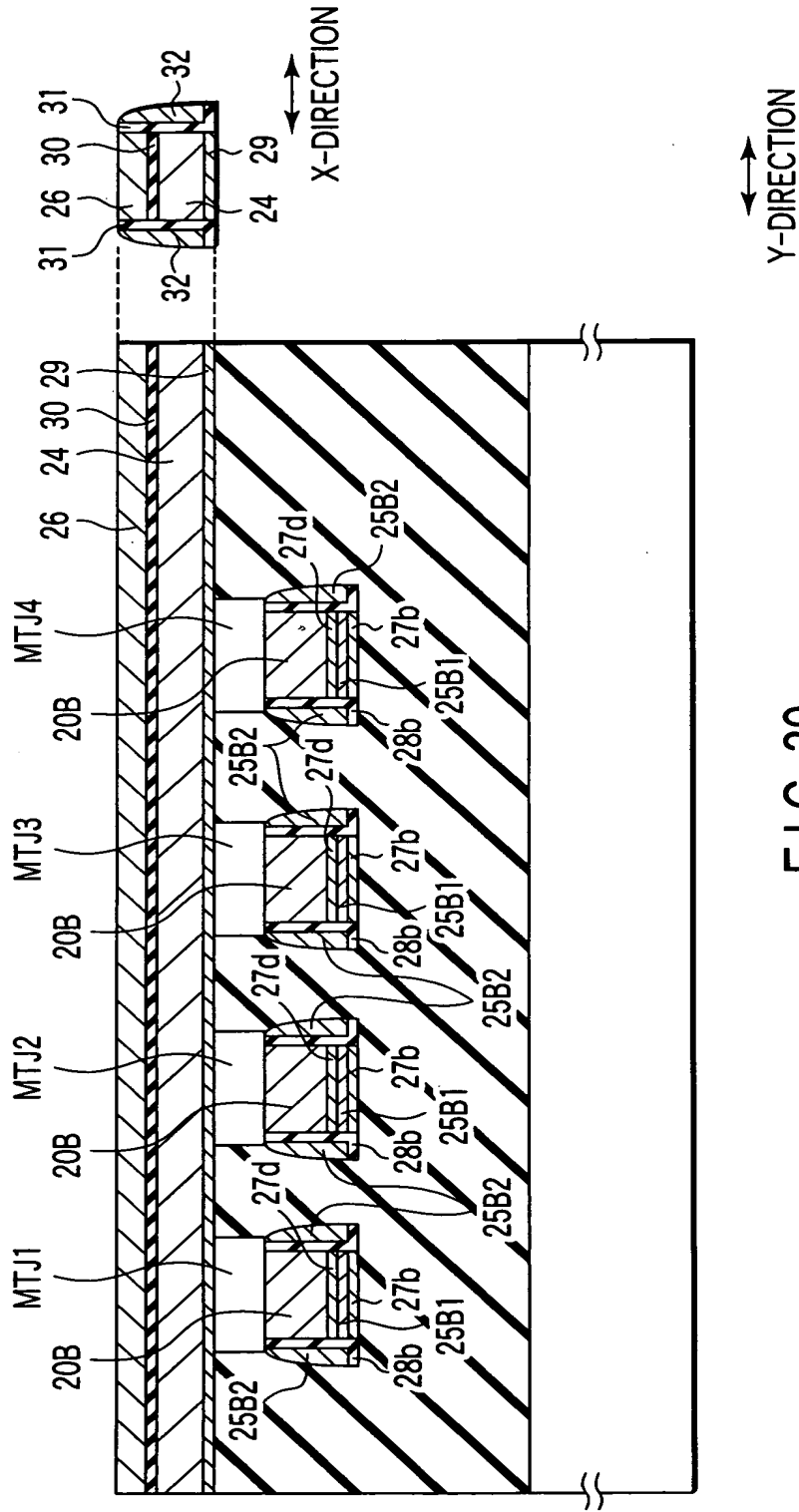


FIG. 39